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**Ohio State Engineer**

**Title:** Notes of the Campus

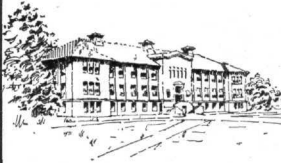
**Issue Date:** Nov-1927

**Publisher:** Ohio State University, College of Engineering

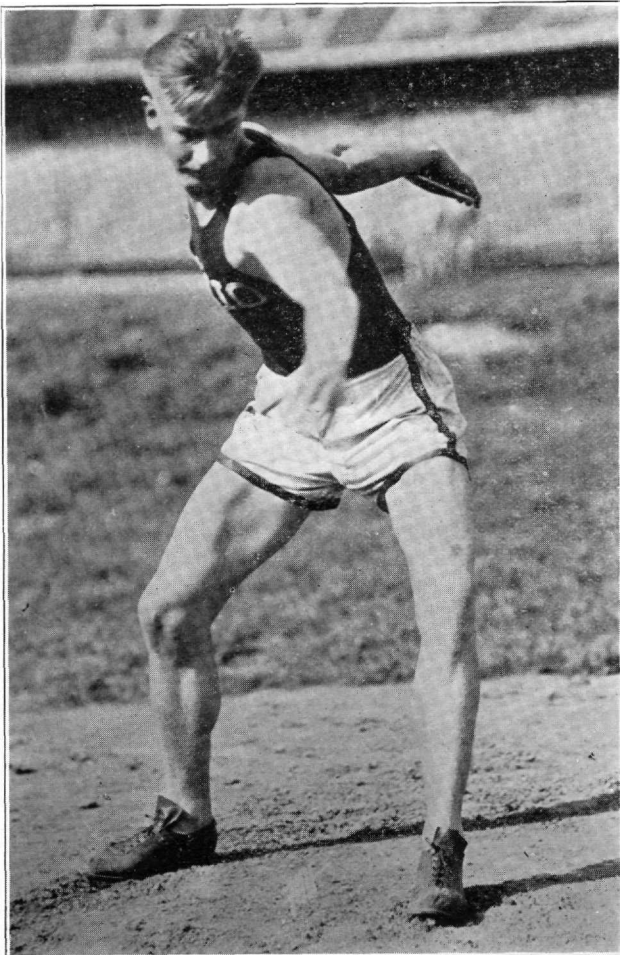
**Citation:** Ohio State Engineer, vol. 11, no. 2 (November, 1927), 14-15, 20, 23.

**URI:** <http://hdl.handle.net/1811/34287>

**Appears in Collections:** [Ohio State Engineer: Volume 11, no. 2 \(November, 1927\)](#)



# NOTES OF THE CAMPUS



PETE RASMUS

Every afternoon near the Stadium, a big blond and well built youth may be seen hurling a discus, an art known to the ancient Greek athletes. This discus thrower namely "Pete" Rasmus has risen from obscurity to one of the most outstanding discus throwers of today. One can imagine "Pete" as a freshman struggling to learn just how to throw it. Although he had competed in prep school he did not attain much success. The coaches seeing that he was a hard worker and that he had the makings of a good thrower, began to teach him the fine points of the game. He won his numerals in his freshman year with a throw of about 125 feet. He was showing signs of improvement.

The next year under Coach Castleman and Coach Snyder he began to show his real ability. It had required hard work on his part and on the part of the coaches. The result shows what proper coaching and hard work will do.

As a sophomore, Rasmus won the quadrangler meet at Chicago and also the Big Ten meet held at Wisconsin. He has won every meet he has entered except the dual meet with Michigan. Although he lost that meet his best throw was 142 feet which shows considerable improvement in one year. He is still improving. He practiced faithfully all summer. Every day, rain or shine, he would practice to attain perfection and control of his throws.

He is now striving for a goal, sought by all amateur athletes, to represent the United States in the Olympic Games of 1928. He will have to compete with the leading discus throwers of the country to win the right to participate in the Olympic Games. It is almost certain that he will make the grade for he has lately been throwing 155 feet consistently and occasionally 160 feet which is better than the world's record.

This is the second engineer that will help put Ohio State before the world's eyes. The first was "Phin" Guthrie, one of the world's greatest hurdlers. This goes to show that the engineers are not only walking technical libraries, but athletes as well and when they are athletes they can not be beaten.

The engineers should take great pride in the fact that they have such men representing Ohio State and the Engineering College.

"Let's Go Pete — We Are All With You."

## THE ROUND UP

Engineers' round-up will be held this year on December 8, in the experiment station. To the upper classmen the round-up needs no explanation, it is remembered as one of the biggest events in the school year of the engineering college. The freshman who misses the round-up is cutting a large slice out of his good times.

Present plans by Engineers' Council indicate that the round-up this year will be bigger and better than ever before.

Professors Norman and Stinson and Mr. Moffat have been busy during the summer and fall on research work on belting and vibration of crankshafts. This work is rapidly approaching completion and some very interesting results have been obtained. It is believed that the research on belting is one of the most comprehensive ever undertaken for ascertaining the relative qualities of different types of belting. Mr. I. W. Ferguson, '27, has been the assistant in this work.

Professor K. W. Stinson is now in charge of automotive courses with Mr. C. P. Roberts co-operating in the laboratory work.

Professor Stinson's qualifications for this are amply proved by his long connection with the Seagrave Corporation in the development of motorized fire engines. Professor Stinson is to read

a paper on fire engines before the American Society of Mechanical Engineers this fall.

Professor F. W. Marquis who has spent nine months as mechanical development engineer with the Goodrich Rubber Co., is now back in the department. Professors Marquis and Bucher with Messrs. Roberts and Simpson visited the Mechanical Laboratory of the University of Michigan.

Professor Paul Bucher and Mr. S. R. Beitler are conducting a series of tests on orifices and flow nozzles on ten and fifteen inch pipe lines for the Bailey Meter Co. They have spent the entire summer on this and are still continuing the work in their spare time.

Boiler tests last ten hours and so make it necessary for students to bring their lunch and supper with them. This is one instance that proves that universities do more than turn out "kid glove engineers." The student is given the real thing here.

Three Universal drafting machines have been obtained by the Department of Engineering drawing. They will be used by classes in machine drawing and machine designing. About 75 students per quarter will be using the machines.

### ELECTRICAL ENGINEERING

The American Institute of Electrical Engineers is an international body of Electrical Engineers united for the betterment of their profession and for the knowledge and pleasure obtained from working together.

For the men out in the electrical field there are four classes of membership as follows: Honorary, Fellow, Member, and Associate.

It was decided a few years ago that another class of membership, known as the Student membership, should be added to the above. The requirements for the Student membership are: that the applicant be a member of a technical school, and that he be recommended by a member of the faculty of that school who is a member of the A. I. E. E. The Student member can not vote nor hold office. The yearly dues are \$3. This sum includes not only membership privileges, but also the A. I. E. E. Journal, the regular price of which \$10 per year. This Student membership can not be held by any one person for more than three years and not more more than one and one-half years after graduation from school. It is therefore advisable for all students in the Electrical Engineering course wishing to join to do so in the middle of their Junior year which just makes the right so that they will enjoy the privileges and reduced rates for the full year and a half. It is not impossible for a Sophomore or a Senior to join at any time. The membership dates from the January first nearest the acceptance of the application.

There is another membership known as the Student Branch Member. This is not to be confused with the above Student Member. There is an organized Student Branch here at Ohio State. The dues are one dollar per year. Every student in the Department of Electrical Engineering should become a member. The meetings are always well advertised by the A. I. E. E. posters placed in conspicuous places. Come to the next one of these meetings and join.

NOVEMBER, 1927

The plans for this year are well made and very interesting. Besides the regular meetings there are to be six dinner meetings. At these meetings there will be talks given by outside speakers as well as by members of the Branch. Also members of the Branch will read their "Student Papers" which are in the form of an essay and are to be voluntarily written by any member of the branch. They may be technical or personal experiences of the writer. You see that the field is very wide. \$100 is offered for the best national paper and \$25 for the best regional paper. Credit will be given in course No. 419 for these papers if they have been written on a subject pertaining to engineering. The branch also offers prizes for the three best papers written during the year. These prizes have not been announced at the time of this writing, but it is understood that they are worthwhile.

### INDUSTRIAL ENGINEERING

If you are an Industrial Engineering student and are not a member of the S. S. I. E. you are missing a lot more than you think.

In Professor Younger's I. E. 601 class, one of the main points brought out in the value of conferences was that you get to know the men with whom you are working. The meetings of the Student Society of Industrial Engineers are comparable with the conferences of a corporation. By coming to these meetings you get to know your fellow Industrial students, and above all your instructors. The society does not merely offer this, but in addition offers a chance of hearing and meeting some of the best known men in the industrial engineering field.

At the last meeting, L. P. Alford, editor of Management's Handbook and connected with a number of industrial publications, gave a very interesting talk on Management. Harry Porter, a well known industrial engineer was there too and spoke a few words. We have Mr. Porter's promise that he will be the main speaker of the evening at a near future meeting.

Even if you are not an Industrial student, the talks are of interest to any engineer and well worth while hearing. In order to take advantage of all that is offered you, come around to the meetings.

Half the value of a college education lies in getting acquainted and in getting other peoples opinions. You have the opportunity, make use of it.

Otto Winters gave a speech in I. E. 601, on the Harrison Radiator Company. The way the speech ran, it must have only been his modesty that kept him from telling us he owned the place.

Bill Morrow finally got to his one o'clock class, amid loud cheerings, and a key to the city was given to him by Professor Younger, to commemorate the occasion.

### CHEMICAL ENGINEERING

(Continued on Page 20)

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## CERAMIC ENGINEERING

(Continued from Page 15)

The Department of Chemical Engineering has 125 students enrolled, including Freshmen, Sophomores, Juniors and Seniors. The Seniors at present are concerning themselves with such problems as "Making a Chemical at a Profit," "Factory Research Problems," "Filter Press Problems," etc. Likewise a study of the various chemical industries is being made in Industrial Chemistry with the following type of problems in mind:

1. Problems of the Market and Economics.
2. Problems of the Chemistry involved.
3. Problems of the Engineering.

Each week an inspection trip is taken to various industrial and chemical engineering plants in Columbus. A trip is being planned for December 3, which will take the class to Fremont, Ohio, to visit a beet sugar plant in operation and also to Toledo, Ohio, to visit a Glutamic Acid Plant.

In co-operation with the Department of Chemical Engineering, we have the Student Branch of the American Institute of Chemical Engineers, which functions for the benefit of the students.

The Annual Round-up was held October 7, 1927, at the Cadet Officers' Club Room with 45 in attendance. The meeting was opened by the President, Dean S. Hubbell, who set forth the purpose of the organization as a two-fold idea.

1. Meet men in your own profession.
2. Do better by organization.

The speakers of the evening were as follows: Dean E. A. Hitchcock, Dr. James R. Withrow, Professor of Chemical Engineering and Major O. L. Barneby, Ph. D., president of the American Solvent Recovery Corporation.

Dean Hitchcock gave some very interesting figures on Engineering Education in the United States, as follows:

Total enrollment of engineering students, 56,000.

|                                   |        |
|-----------------------------------|--------|
| Electrical Engr. ....             | 18,000 |
| Civil Engr. ....                  | 12,000 |
| Mechanical Engr. ....             | 10,000 |
| Architectural Engr. ....          | 2,500  |
| Mine and Metallurgical Engr. .... | 2,000  |
| Chemical Engr. ....               | 4,800  |
| All other branches ....           | 54,000 |

Dr. James R. Withrow welcomed the new stu-



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## CHEMICAL ENGINEERING

*(Continued from Page 20)*

dents and explained the work of the Department of Chemical Engineering. He also related the history, requirements, and purpose of the American Institute of Chemical Engineers.

Major O. L. Barneby's address on "What the Industry expects of the Graduate Engineer," was briefly this,

1. Industry does not expect specialization of four-year graduates.
2. Industry does expect a broad scientific knowledge in the graduate engineer.
  - (a) Technique.
  - (b) Know where to find material.
3. Industry expects graduate going into industry to be industrious.
4. Successful engineer must have ability to get along with his fellow workers.
5. Engineers must of necessity have high ethics and strong moral character.

Some of the speakers for the coming year include Mr. Mory of The Bakelite Company, New York, Mr. E. H. French, Consulting Chemical Engineer of Columbus, Ohio, and Dr. E. R. Weidlein of the Mellon Institute, Pittsburgh. Dr. Weidlein is national president of the A. I. Ch. E.

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Have you heard the story of the man who asked the clerk for some ladies' silk stockings?

"Very well, sir," she replied, "are they for your wife, or shall I show you something better?"